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Subject: GIS Data Layers
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All,

The Round 2 Data Report is expected to be a comprehensive look at all the Portland Harbor data collected to date. EPA expects that a number of new data presentations and analyses will be presented. Previously, the LWG has made available certain GIS layers to EPA and its project team to facilitate our review of the data.

As you are aware, EPA is planning an expedited review of the Round 2 Data Report in order to finalize Round 3B data gaps, begin development of the necessary field sampling plans, and complete field work by the end of 2007. In order for the government and trustee teams to evaluate contaminant data in an expedited manner, EPA requests the most current spatial data layers (GIS) that the LWG is using for analysis and mapping.

The format of these layers and a list of requested data layers is provided below.

The format of these data layers should include:

1. **GIS files** (shapefile, geodatabase, grid, image where appropriate)
2. **Explicit projection** (.prj) file (Oregon State Plane North NAD83 International feet)
3. **Symbology** (.lyr) layer file
4. **Metadata** or data dictionary noting author, origin, significant edits, limitations and field meaning.

Types of Data Layers that EPA is requesting include:

Most recent river edge polygon or polygons used for analysis

Most recent bathymetry layer (shapefile and grid)

Early Action Areas

- T4 boundaries and remedial plans (dredging/capping)
- McCormick & Baxter

Cap(s)

Barrier walls

Engineered structures (riprap etc.)

CSM (most recent)

- Groundwater pathway
- Groundwater plumes
- Direction
- Stormwater Pathway
- Source Areas
- Other relevant pathway

Transition Zone Water (Site Characterization Report draft 2006 08 07)

- Seepage meters locations and data
- Groundwater table mapping (isopleths)
- Plume mapping
- Surface sediment texture interpretations
- Discharge zones

Human Health Risk Assessment: all GIS layers used for analysis/mapping

Receptor areas (beaches areas) see *Appendix C RI Programmatic Workplan: Human Health Risk Assessment Approach April 2004 (Figures 1a-c)*. Broken into "Human Use Areas". Request most recent version used for analysis and mapping

- Beach composite sampling areas (polygon)

Ecological Risk Assessment: all GIS layers used for analysis/mapping

- Receptor areas (shorebirds, amphibians, wildlife, etc.) spatially explicit used for exposure point concentrations calculations
- (BSAF/BSAR) Bioaccumulative summary areas or spatial parameters

Other Relevant Layers - TBD

I have spoken to Sandy Browning of Integral Consulting about this request and would like to discuss it further at this week's management meeting. Because we do not have a good understanding of how the information will be presented in the Round 2 Data Report, we should plan on setting some time aside for discussing this at the March 1, 2007 Roll Out Meeting.

Thanks, Eric